

A

BVDV-1 CP7-9A	GUUACGAGG	UUAGGCMAG.	UUUCUGU	ACAUAUUGGA	CACUCUAAA	AAAAUAUU	AGGCCUAGG	GACAAAUAUC	CUCCUUAUCG	ANGGCCGANA	98
Osloss	(AU) GUUACGAGA	AUUUGCCUA.	.ACCCUGU	ACAUAUUGG	CAUUCUAAA	A...UAUAUU	AGGCCUAGG	GACAAA...UC	CUCCUUAUCG	ANGGCCGANA	93
NADL	GUUACGAGA	AUUAGAAAAG	GCACUGU	ACGUUAUUGG	CAUUAUAAA	..UAUAUU	AGGCCUAGG	AACAAA...UC	CUCCUUAUCG	ANGGCCGANA	96
(SFV) Alfort-T	GUUACGAGG	UUAGCUCU.	.UUUCUGU	ACGAUAUUGG	ACAAUUAUA	..UUUCGAUU	UGGUCUAGG	CAC.....	CUCCUUAUCG	ACGGCCGANA	88
Brescia	GUUACGAGG	UUAGUUA.	.UUUCUGU	ACAUAUUGG	ACAAUUAUA	A..UCUCAUU	UGGUCUAGG	CCU.....	CUCCUUAUCG	ACGGCCGAGC	90
BDV X818	GUUACGGGA	GUAGCUCA.	.UGCCUGU	ACAAUAUUGG	AUAUUAUA	A..CUCGAUU	.GGUUAAGG	AG.....C	CUCCUUAUCG	ACGGCCGAGC	87
BVDV-2 890	GUUACGAGA	UUAGCUAAA.	GUACUGU	ACGGUAUUGG	CGUUGACAAA	.CUUUAUU	GGUAUAUUGG	GGAAUCCU...U	CUCCUUAUCG	ANGGCCGANA	96
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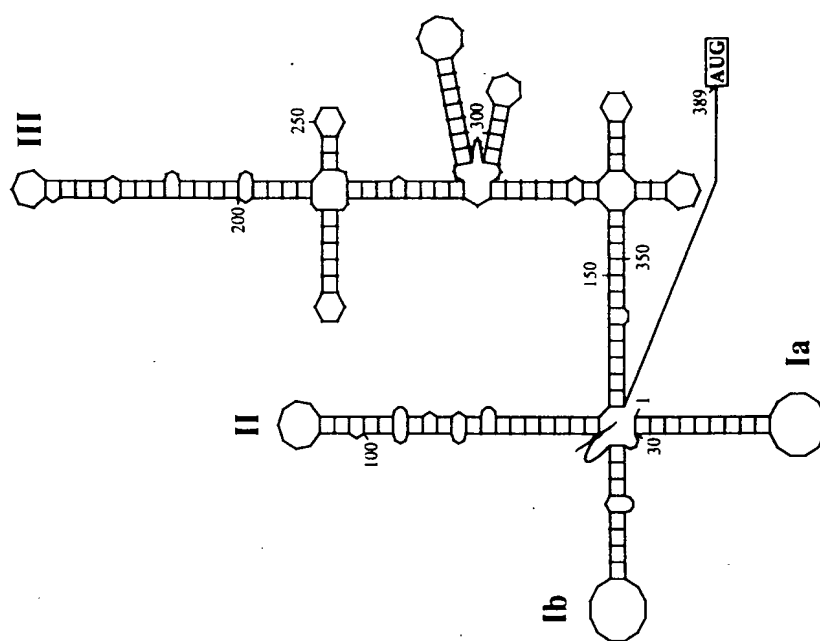


Figure 1

B

CP7-9A → 10 passages → 9A, 9A, 10A, 10A, 11A, 11A
11A, 14A, 16A, 16A, 21A, 21A

CP7-20A → 10 passages → 12A, 16A, 17A, 19A, 20A, 22A
23A, 24A, 30A, 31A, 33A, 36A

CP7-26A → 10 passages → 35A, 37A, 38A, 39A, 39A, 40A
42A, 43A, 46A, 49A, 50A, 54A

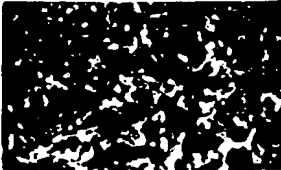
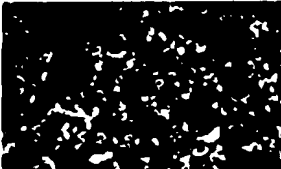




CP7-54A → 10 passages → 5A, 5A, 7A, 7A, 7A, 15A
39A, 39A, 41A, 48A, 48A, 61A

CP7-5A → 10 passages → 5A (12 x)

Fig. 2

[illegible]

Figure 3

	IF 24h p.t.	Infectivity (PFU/ μ gRNA)
CP7-5A		6.0×10^5
CP7-9A		5.2×10^5
CP7-20A		4.8×10^5
CP7-26A		4.8×10^5
CP7-54A		8.0×10^1
CP7-T		8.0×10^2

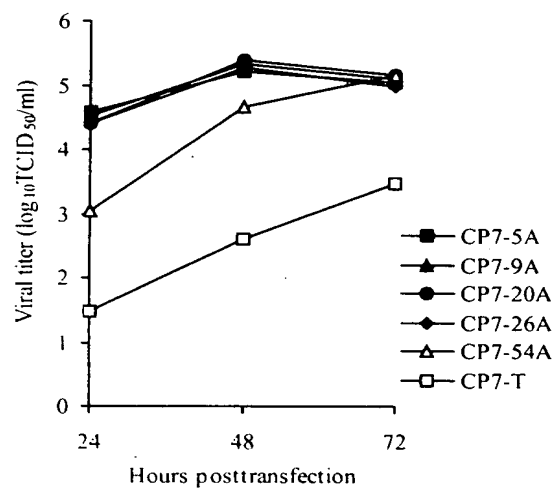
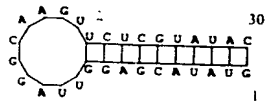


Fig. 4

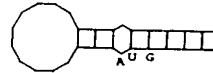
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A

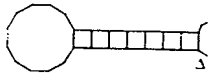
CP7-5A



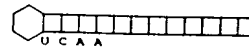
SL-5



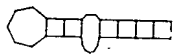
SL-1 ($\Delta 2$)



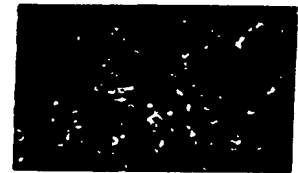
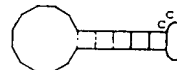
SL-6



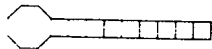
SL-2 ($\Delta 6-7$)



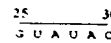
SL-7



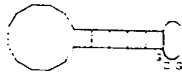
SL-3 ($\Delta 14-17$)



SL-8 ($\Delta 1-24$)



SL-4



SL-9 ($\Delta 2-29$)



B

	CP7-5A	SL-1	SL-2	SL-3	SL-4	SL-5	SL-6	SL-7	SL-8	SL-9
Infectivity (PFU/ μ g RNA)	2.4×10^5	4.4×10^1	2.8×10^4	4.0×10^4	< 10	6.0×10^4	6.4×10^4	4.8×10^4	5.2×10^3	6.4×10^2
TCID ₅₀ /ml 24 h p.t.	4.3×10^4	< 10	2.1×10^5	4.8×10^3	< 10	7.1×10^2	5.5×10^3	3.7×10^3	2.1×10^2	< 10
48 h p.t.	1.5×10^5	4.5×10^1	1.3×10^5	7.3×10^4	1.4×10^2	6.6×10^4	1.3×10^5	8.6×10^4	6.3×10^3	4.7×10^2
72 h p.t.	1.3×10^5	2.1×10^2	1.7×10^5	1.3×10^5	4.1×10^2	2.2×10^5	1.5×10^5	1.3×10^5	2.1×10^4	4.2×10^3

Fig. 5

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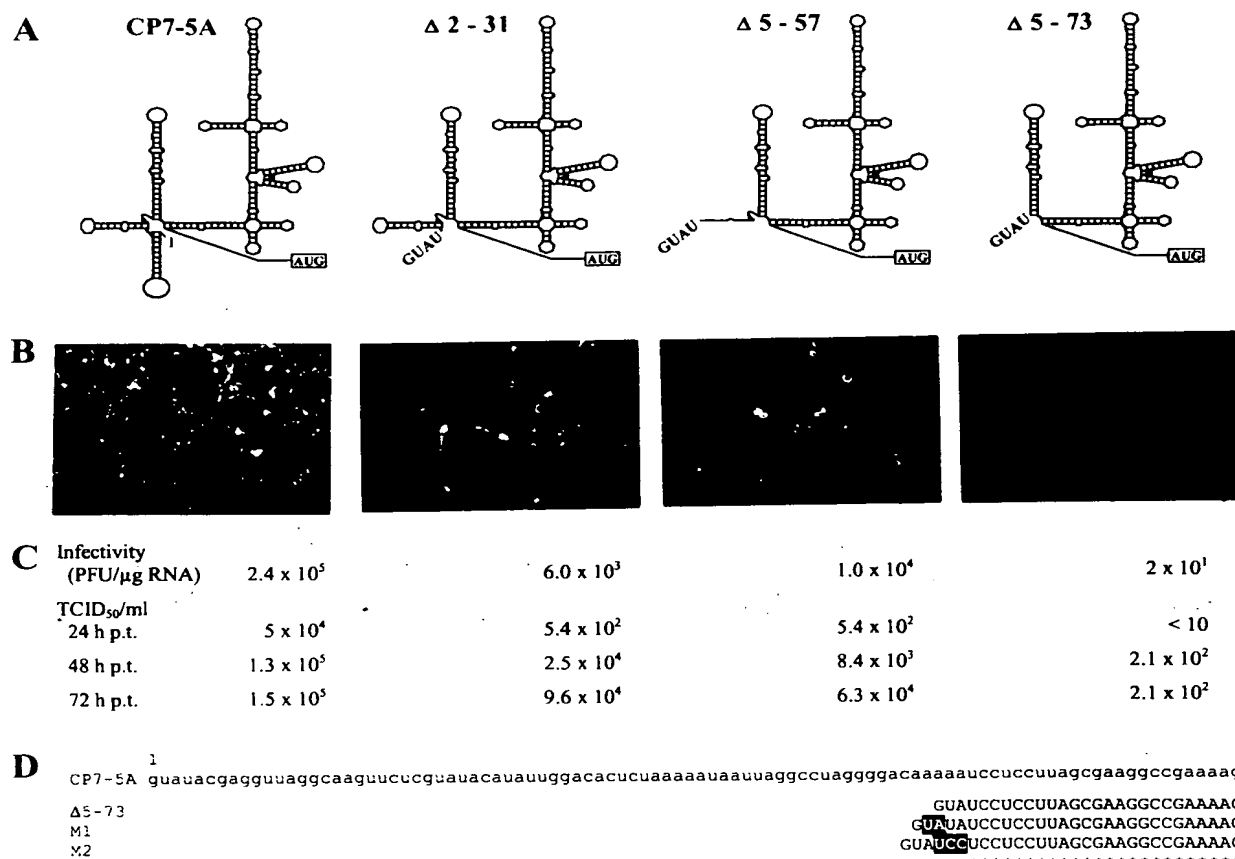
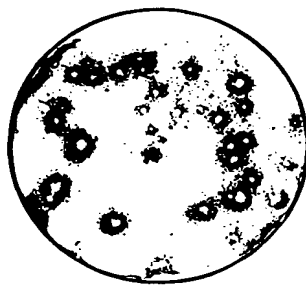


Fig. 6

SL-7



CP7-5A

Figure 7

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Fig. 8

